## ABSTRACT OF THE DISCLOSURE

The invention provides full-length expressed genetic markers (FLEXGEM) and polynucleotides which identify and encode FLEXGEM. The invention also provides expression vectors, host cells, antibodies, agonists, and antagonists. The invention also provides methods for diagnosing, treating, or

5 antibodies, agonists, and antagonists. The invention also provides methods for preventing disorders associated with expression of FLEXGEM.